

# This week in technology, open source, and Linux!

By The Open Source Club



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## Contributing to the weekly rundown

- ▶ Have something you'd like to talk about or see on the weekly meetings?
- ▶ Feel free to add it to the weekly rundown!
- ▶ Repository is available on [GitHub](#)

# DROWN

- ▶ A recently discovered padding oracle attack against SSLv2
- ▶ If a server is running SSLv2, an attacker can gain information about the private key
  - ▶ Can then decrypt strong TLS sessions
- ▶ Disable SSLv2 or use different keys

# Vantablack

- ▶ Vantablack is the world's darkest man-made substance absorbing 99.964% of light
- ▶ “Surrey NanoSystems Ltd (SNS) is the only manufacturer of Vantablack coatings”
- ▶ Surrey nanosystems have licensed Vantablack exclusively to Anish Kapoor, a British-Indian sculptor
- ▶ Introduces an unheard of monopoly on a material in the art world

# Apple v FBI and “Virtually Limitless” Surveillance

- ▶ Federal judge rejects government’s request to break open locked iPhone.
- ▶ Judge fears potential “virtually limitless” surveillance under IoT.
- ▶ You agree to Apple’s software licensing agreement when you use the device.
- ▶ Government argues that this is proof that Apple is “sufficiently close” to consumer devices to be compelled to unlock them.
- ▶ In other words, government is arguing that you do not own your iPhone ~ in some general sense, Apple does.

## Full quote from judge:

*As constantly increasing computing power is continually squeezed into ever smaller storage devices, the category of consumer products containing licensed software will continue to grow. In a world in which so many devices, not just smartphones, will be connected to the Internet of Things, the government's theory that a licensing agreement allows it to compel the manufacturers of such products to help it surveil(sic) the products' users will result in a virtually limitless expansion of the government's legal authority to surreptitiously intrude on personal privacy.*

## General Updates on Encryption Stuff

- ▶ Amazon, FaceBook, Google, Microsoft, Twitter and Yahoo support Apple.
- ▶ French bill carries 5 year jail sentence for company that refuses to decrypt data for police via DailyDot
- ▶ Amazon removes enterprise level encryption on tablet devices via DailyDot
- ▶ Piers Morgan and his **brilliant** idea on what to do:

*Apple open the damn back door, let the FBI know what's on the phone, then close it again. This isn't difficult.*



# LAN Party

- ▶ OSC and BuckeyeLAN are hosting a LAN party March 26th
- ▶ Time and Location TBD (probably Union)

# Fin

- ▶ Anything we missed?
- ▶ Feel free to share!